

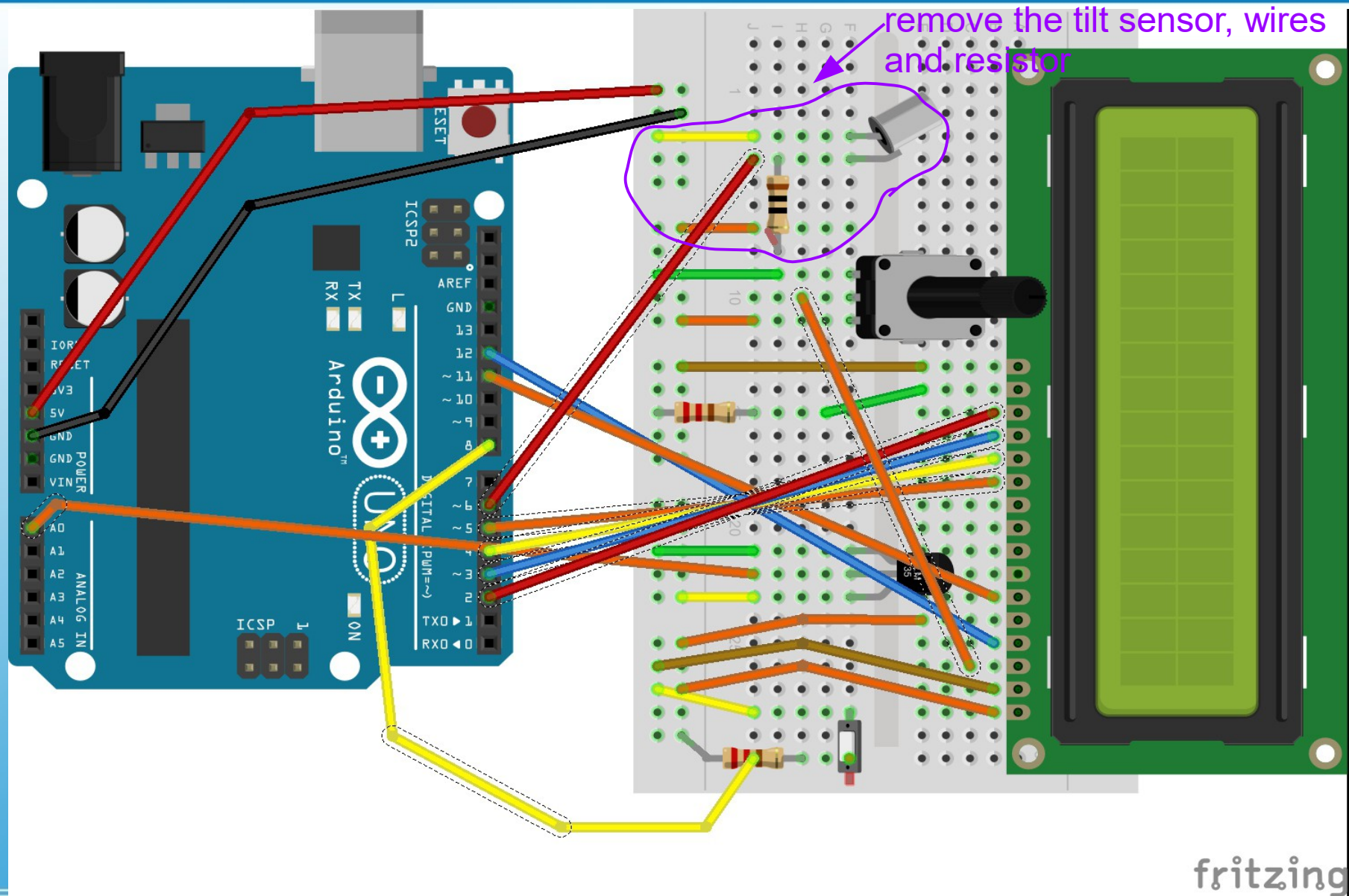
Today's plan:

- Go over the program from previous meeting
- Improve the code
- Discard some parts
- Add new ones (for piezo)
- Code

Temperature and crystal ball readings
Temperature and knock lock

- Did you notice that when the button is pressed the temperature reading keeps changing changing and changing...which is annoying...very much...?
 - this is because this little arduino is fast, the sensor readings are done at a fast rate, every iteration of the *loop* takes fractions of a second.
- How about adding a while loop?
see the fix in
[p03_p11_CrystalBall_TemperatureFixed](#)

After

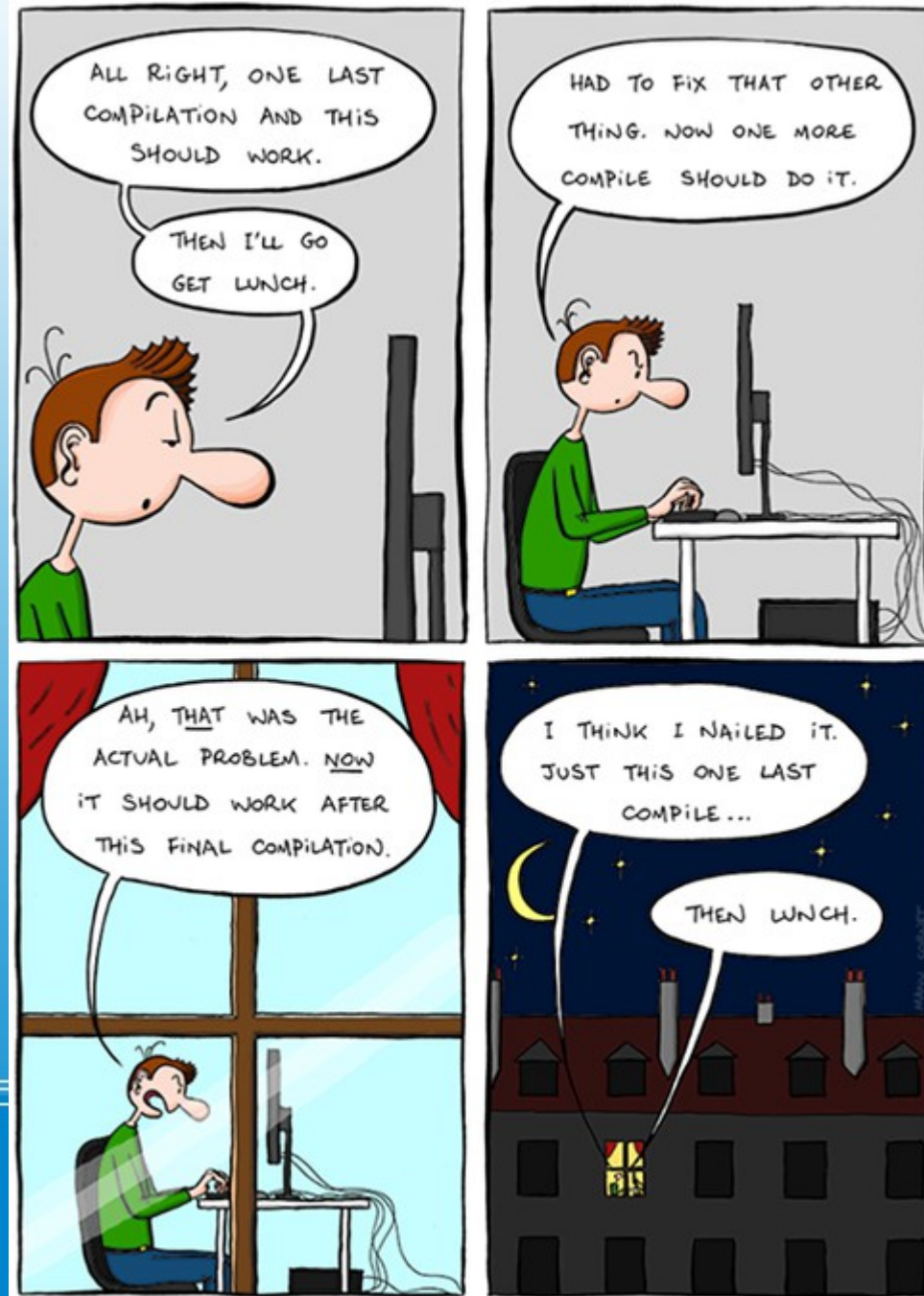


Wiring the Arduino and the breadboard

- Idea: let's write a program that will do the following:
- While the push button is pressed Arduino measures temperature and reports it on the display, and the door is locked
- When the push button is de-pressed the Arduino is waiting for the door to be unlocked (3 knocks)

What are we going to do

Now
let's
proceed
to
coding!



Coding